Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000080952	27-07-2025

PART A

Company Information

Company Name	***Application UAN number***
RATTANINIDA POWER LTD	MPCB CONSENT -0000174987

Address

PLOT NO D2 AND D2(PART) ADDITIONAL INDUSTRIAL AREA MIDC NANDGAONPETH AMRAVATI

Plot no	***Taluka***	***Village***
D2 AND D2(PART)	AMRAVATI	WAGHOLI
Capital Investment (In lakhs)	***Scale***	***City***
7587050	LARGE	AMRAVATI
Pincode	***Person Name***	***Designation***
444901	MR.MOHAMAD NISAR	GENERAL MANAGER
Telephone Number	***Fax Number***	***Email***
9766699050		mohammad.nisar@rattanindia.com
Region	***Industry Category***	***Industry Type***
SRO-Amravati I	Red	R48 Thermal Power Plants
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format1.0/CAC/UAN No.MPCBCONSENT-0000174987/CR/2310002155	2023-10-28
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2026-12-31	2015	Jul 26 2024 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Electricity Generation	11826000	9278911	Mwh

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
NA	0	0	

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	111292.00	63088.00
Cooling	0.00	0.00
Domestic	623.00	704.00
All others	1218.00	0.00
Total	113133.00	63792.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	24019	8804	CMD
Domestic Effluent	470	44	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
ELECTRICITY GENERATION	2.469	2.501	Mwh

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
COAL	0.66	0.66	Mwh
LDO	0.076	0.122	Mwh

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COAL	6458641	6191767	MT/A
LDO	745.919	1136.893	KL/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
TSS-STP TREATED WATER	1.6	24	0	50	No Deviation
BOD 3 DAY -STP TREATED WATER	0.2	5.4	0	30	No Deviation
COD -STP TREATED WATER	0.8	17.9	0	250	No Deviation
TDS-ETP TREATED WATER	44.2	623.4	0	2100	No Deviation
PH-ETP TREATED WATER	0.7	6.9	0	6.5-9.0	No Deviation
COD-ETP TREATED WATER	3.4	33.7	0	250	No Deviation
BOD-ETP TREATED WATER	1.6	16.2	0	30	No Deviation
TSS -ETP TREATED WATER	4.8	47.2	0	100	No Deviation

pH-CONDENSAR COOLING TOWER WATER	0	7.76	0	6.5-8.5	No Deviation
TEMP-CONDENSAR COOLING TOWER	0	29.71	0	Not More Than 5 Deg.Cel.	No Deviation
FREE AVAILABLE CHLORINE-CONDENSAR COOLING TOWER	0	0.050	0	0.5	No Deviation
TSS-BOILER BLOWDOWN	0.6	5.3	0	100	No Deviation
O&G-BOILER BLOWDOWN	0.2360	2.0	0	10	No Deviation
COPPER (TOTAL)-BOILER BLOWDOWN	0.0021	0.018	0	1	No Deviation
IRON(TOTAL)-BOILER BLOWDOWN	0.0208	0.176	0	1	No Deviation
FREE AVAILABLE CHLORINE -COOLING TOWER BLOW DOWN	0.401	0.05	0	0.5	No Deviation
CHROMIUM (TOTAL) -COOLING TOWER BLOWDOWN	0.105	0.013	0	0.2	No Deviation
PHOSPHATE-COOLING TOWER BLOW DOWN	3.33	0.42	0	5	No Deviation
pH-DM PLANT EFFLUENT	4.5	7.9	0	5.5-9.0	No Deviation
SUSPENDED SOLID-DM PLANT EFFLUENT	2.9	5.0	0	100	No Deviation
O&G-DM PLANT EFFLUENT	1.14	2	0	10	No Deviation
BOD 3DAY-DM PLANT EFFLUENT	3.4	6.0	0	30	No Deviation
COD -DM PLANT EFFLUENT	11.8	19.5	0	250	No Deviation
TDS-DM PLANT EFFLUENT	271.7	476.8	0	2100	No Deviation

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
UNIT#1PM	1690	33	0	50	No Deviation
UNIT#1 SO2	28040	554	0	600	No Deviation
UNIT#1 NOX	14627	289	0	450	No Deviation
UNIT#2PM	1707	34	0	50	No Deviation
UNIT#2 SO2	28224	562	0	600	No Deviation
UNIT#2 NOX	14595	291	0	450	No Deviation
UNIT#3 PM	1918	38	0	50	No Deviation
UNIT#3 SO2	28289	554	0	600	No Deviation
UNIT#3 NOX	14463	283	0	450	No Deviation
UNIT#4 PM	1726	35	0	50	No Deviation
UNIT#4 SO2	25518	509	0	600	No Deviation
UNIT#4 NOX	14346	287	0	450	No Deviation
UNIT#5 PM	1737	34	0	50	No Deviation
UNIT#5 SO2	25576	502	0	600	No Deviation
UNIT#5 NOX	14564	286	0	450	No Deviation

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0	0	MT/A
5.2 Wastes or residues containing oil	0.140	0.00	MT/A
35.3 Chemical sludge from waste water treatment	0.00	0.070	MT/A
Other Hazardous Waste	0.980	0.560	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Other Hazardous Waste	0	0	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
BOTTAM ASH	515624	495745	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	2062496	1982981	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.00	MT/A	Solid , Low Concentration of Water
5.2 Wastes or residues containing oil	0.00	MT/A	waste/residue contaning oil
35.3 Chemical sludge from waste water treatment	0.070	MT/A	ETP Sludge
Other Hazardous Waste	0.560	MT/A	Glass Wool

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	1982981	MT/A	Dry Micro Partical Size
BOTTOM ASH	495745	MT/A	Wet and Granual Mode

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
0	0	0	0	881400	242.39	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
2000 Sapling Done in side the Plant Primises	To Control CO2 and SPM/TPM	2
Installation and commisioning of fly ash silo 02 nos for storage & loading of fly ash in railway rake	For effective ash utilization	2500

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
50000 Sapling to be Done in side the Plant Primises	To Control CO2 and SPM/TPM	3
Concerte pavement around Bottam ash silo and Ash handling plant area	To Control dust pollution in air during transportation	215

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Committed for Green Energy and Clean Energy

Name & Designation

Mohammad Nisar & GM (Environment)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000080952

Submitted On:

27-07-2025